ABSTRACT

The present invention includes a sedation and analgesia system capable of gathering data from a single monitor associated with a single patient parameter in a manner that diminishes the probability of false positive alarms responses due to data artifact. The invention also includes a monitoring system that is able to detect imminent adverse patient conditions, where such conditions may be detected before an adverse patient condition actually occurs. The invention further includes methods for incorporating trend analysis into a sedation and analgesia system.